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DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY

As the below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original and first inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled IMAGE SENSOR WITH IMPROVED UNIFORMITY OF EFFECTIVE INCIDENT LIGHT, the specification of which:

- ☒ is attached hereto.
☐ was filed on _____ as Application Serial No. _____.
☐ was filed on _____ under U.S. Express Mail No. _____.
☐ is set forth in PCT International Application No. _____;
 filed on _____ and as amended Under PCT Article 19 on _____ (if any).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under Title 35, United States Code, 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America listed below and have also identified below any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed:

PRIOR FOREIGN APPLICATIONS: (ENTER BELOW IF APPLICABLE)			PRIORITY CLAIMED (MARK APPROPRIATE BOX BELOW)	
APP. NUMBER	COUNTRY	DAY/MONTH/YEAR FILED	YES	NO

I hereby appoint all attorneys of Thomas, Kayden, Horstemeyer & Risley, LLP, who are listed under the USPTO Customer Number shown below as my/our attorneys to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith, recognizing that the specific attorneys listed under that Customer Number may be changed from time to time at the sole discretion of Thomas, Kayden, Horstemeyer & Risley, LLP, and request that all correspondence be addressed to the address filed under the same USPTO Customer Number.

24504

Please address all telephone calls, in the first instance, to Daniel R. McClure, at telephone number: (770) 933-9500.

0503-9718US/TSMC2009-0516:0515

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LOCATION:000000000000000000000000

RX TIME 08/25 '03 05:40

HUG-20-2003 HUN 11:33

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Please address all telephone calls, in the first instance, to **Daniel R. McClure**, at telephone number: (770) 933-9500.

Address all correspondence to:

Daniel R. McClure, Reg. No. 38,962

**THOMAS, KAYDEN, HORSTEMEYER
& RISLEY, L.L.P.**
100 Galleria Parkway, N.W., Suite 1750
Atlanta, Georgia 30339-5948

I hereby declare that all statements made herein of my/our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statement and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Inventor's Signature: Hung-Jen Hsu Date: 2003/08/05

Full Name of First or Sole Inventor: Hung-Jen HSU

Residence: Same as the Post Office Address (Below) Citizenship: Taiwan, R.O.C.

Post Office Address: 10F., No.2-2, Sec. 3, Sioulang Rd., Zhonghe City, Taipei County, 235 Taiwan (R.O.C.)

Inventor's Signature: Chih-Kung Chang Date: 2003/08/05

Full Name of Second Inventor: Chiu-Kung CHANG

Residence: Same as the Post Office Address (Below) Citizenship: Taiwan, R.O.C.

Post Office Address: No.42, Alley 31, Lane 221, Sec. 2, Zhongxing Rd., Zhudong Township, Hsinchu County, 310 Taiwan (R.O.C.)

Inventor's Signature: Chung-Sheng Hsiung Date: 2003/08/05

Full Name of Third Inventor: Chung-Sheng HSIUNG

Residence: Same as the Post Office Address (Below) Citizenship: Taiwan, R.O.C.

Post Office Address: 2F., No.25, Sinsing Rd., Sinsing District, Kaohsiung City 800, Taiwan (R.O.C.)

Inventor's Signature: Fu-Tien Wong Date: 2003/08/05

Full Name of Fourth Inventor: Fu-Tien WONG

Residence: Same as the Post Office Address (Below) Citizenship: Taiwan, R.O.C.

Post Office Address: No.59, Yuan 2nd St., Taoyuan City, Taoyuan County, 330 Taiwan (R.O.C.)

FORM PTO-1595

RECORDATION FORM COVER SHEET
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(Rev. 10/02)

OMB No. 0651-0027 (exp. 6/30/2005)

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

- (1) Hung-Jen HSU (3) Chung-Sheng HSIUNG
-
- (2) Chiu-Kung CHANG (4) Fu-Tien WONG

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: Taiwan Semiconductor Manufacturing Co., Ltd.

Street Address: No. 8, Li-Hsin Rd. 6,
Science-Based Industrial Park
Hsin-Chu, Taiwan 300-77
R.O.C.Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒
- Assignment
- ☐
- Merger
-
- ☐
- Security Agreement
- ☐
- Change of Name
-
- ☐
- Other:

Execution Date: August 5, 2003

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:
August 5, 2003

A. Patent application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Daniel R. McClure
Thomas, Kayden, Horstemeier & Risley, L.L.P.
100 Galleria Parkway, Suite 1750
Atlanta, Georgia 30339-5948

6. Total number of applications/patents involved: [1]

7. Total fee (37 CFR 3.41) \$ 40.00

- ☐
- Enclosed
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- ☒
- Authorization to charge credit card (attached)

8. Deposit Account Number:

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Daniel R. McClure

Typed Name

Signature

Date

Docket #: 252011-1610

Total number of pages including cover sheet, attachments, and document: [3]

Mail documents to be recorded with required cover sheet information to:
Mail Stop Assignment Recordation Services
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P.O. Box 1450
Alexandria, VA 22313-1450

ASSIGNMENT

WHEREAS, Hung-Jen HSU, Chiu-Kung CHANG, Chung-Sheng HSIUNG and Fu-Tien WONG hereafter referred to as ASSIGNOR, has/have invented certain new and useful improvements as described and set forth in the below identified application for United States Letters Patent:

Title: IMAGE SENSOR WITH IMPROVED UNIFORMITY OF EFFECTIVE INCIDENT LIGHT
Filed: _____ Serial No. _____
Executed on: August 5, 2003

WHEREAS, Taiwan Semiconductor Manufacturing Co., Ltd. of No.8, Li-Hsin Rd. 6, Science-Based Industrial Park Hsin-Chu, Taiwan 300-77, R.O.C. hereinafter referred to as ASSIGNEE, is desirous of acquiring ASSIGNOR'S interest in the said invention and application and in any U.S. Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has/have sold, assigned and transferred, and by these presents does/do sell, assign and transfer unto the said Assignee, and Assignee's successors and assigns, all his/her/their rights, title and interest in and to the said invention and application and all future improvements thereon, and in and to any Letters Patent which may hereafter be granted on the same in the United States, the said interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignor had this Assignment and transfer not been made, to the full end and term of any Letters Patent which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees/agree that he/she/they will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request, to obtain or maintain Letters Patent for said invention and improvement, and to vest title thereto in said Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignor has/have signed his/her/their name(s) on the date(s) indicated.

Hung-Jen Hsu
Hung-Jen HSU

2003/08/05
Date:

Chiu-Kung Chang
Chiu-Kung CHANG

2003/08/05
Date:

0503-971305/TSMC2003-0515/0515

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Chung-Sheng Hsiung
Chung-Sheng HSIUNG

2003/08/05
Date:

Fu-Tien Wong
Fu-Tien WONG

2003/08/05
Date: